(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 31 March 2005 (31.03.2005)

(10) International Publication Number WO 2005/028532 A1

- (51) International Patent Classification7: 18/62, 18/67, C09D 175/16
- C08G 18/10.
- (21) International Application Number:

PCT/EP2004/010534

(22) International Filing Date:

20 September 2004 (20.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/667,367

23 September 2003 (23.09.2003)

- (71) Applicant (for all designated States except US): SUR-FACE SPECIALTIES, S.A. [BE/BE]; 60, Allée de la Recherche, B-1070 Brussels (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WANG, Zhikai, Jeffrey [US/US]; 1950 Lake Park Drive, Smyrna, Cobb County, Smyrna, GA 30080 (US). WALDO, Rosalyn, M. [US/US]; 1950 Lake Park Drive, Smyrna, Cobb County, Smyrna, GA 30080 (US). WILLIAMSON, Sue Ellen [US/US]; 1950 Lake Park Drive, Smyrna, Cobb County, Smyrna, GA 30080 (US).
- (74) Agent: DESTRYKER, Elise; Ucb, S.A., 60, Allée de la Recherche, B-1070 Brussels (BE).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: URETHANE (METH)ACRYLATE RESIN WITH ACRYLIC BACKBONE AND INK COMPOSITIONS CONTAIN-ING THE SAME

(57) Abstract: An acrylic urethane (meth)acrylate oligomer composition is provided, which has an acrylic urethane backbone comprising a reaction product of an acrylic polyol. and a diisocyanate, said acrylic urethane (meth)acrylate oligomer has residues in the Mowing order: hydroxy(meth)acrylate - (diisocyanate - acrylic polyol)_n - diisocyanate - hydroxy(meth) acrylate where n is 1 to 10. The oligomer is useful in ink compositions.

